

## Cumulative Contents

### Regular Papers

- A mechanistic study of the interaction of UVB radiations with human serum lipoproteins  
*S. Salmon, J.C. Mazière, R. Santus and P. Morlière (France)* 1
- Inhibition of photooxidation of  $\alpha$ -tocopherol by quercetin in human blood cell membranes in the presence of hematoporphyrin as a photosensitizer  
*C.-Y. Jan, U. Takahama and M. Kimura (Japan)* 7
- Lipoproteins act as a reusable shuttle for lipid transport in the flying death's-head hawkmoth, *Acherontia atropos*  
*B. Surholt, J. Goldberg, T.K.F. Schulz, A.M.T. Beenackers and D.J. Van der Horst (Germany, The Netherlands)* 15
- Ethyleneic mycolic acid biosynthesis: extension of the biosynthetic model using cell-free extracts of *Mycobacterium aurum* and *Mycobacterium smegmatis*  
*L.M. Lopez-Marin, A. Quemard, G. Laneelle and C. Lacave (France)* 22
- In vivo regulation of low-density lipoprotein receptor and apolipoprotein B gene expressions by dietary fat and cholesterol in inbred strains of mice  
*R.A.K. Srivastava, S.J.J. Tang, B.A. Pfeleger, R.T. Kitchens and G. Schonfeld (U.S.A.)* 29
- Fibronectin: a possible factor promoting cholesterol monohydrate crystallization in bile  
*K. Chijiwa, A. Koga, T. Yamasaki, K. Shimada, H. Noshiro and F. Nakayama (Japan)* 44
- Secretion-coupled increase in the catalytic activity of rat hepatic lipase  
*A.J.M. Verhoeven and H. Jansen (The Netherlands)* 49
- Microsomal CTP: choline phosphate cytidyltransferase: kinetic mechanism of fatty acid stimulation  
*P.A. Weinhold, L.G. Charles and D.A. Feldman (U.S.A.)* 57
- Lysophosphatidylcholine sensitizes lipid extracts of pulmonary surfactant to inhibition by serum proteins  
*A.M. Cockshutt and F. Possmayer (Canada)* 63
- Lipoprotein secretion by the human hepatoma cell line Hep G2: differential rates of accumulation of apolipoprotein B and lipoprotein lipids in tissue culture media in response to albumin, glucose and oleate  
*S. Arrol, M.I. Mackness, I. Laing and P.N. Durrington (U.K.)* 72
- Effect of  $\alpha$ -fetoprotein and albumin on the uptake of polyunsaturated fatty acids by rat hepatoma cells and fetal rat hepatocytes  
*M. Iturralde, M.A. Alava, B. González, A. Anel and A. Piñeiro (Spain)* 81
- Stearyl-CoA desaturase activity in cultured rat hepatocytes  
*P. Legrand and A. Bensadoun (France, USA)* 89
- Fluorocarbon/lecithin emulsions: identification of EYP-coated fluorocarbon droplets and fluorocarbon-empty vesicles by freeze-fracture electron microscopy  
*M. Postel, P. Chang, J.-P. Rolland, M.-P. Krafft and J.G. Riess (France)* 95
- Cytidine diphosphate diglyceride analogs of antiretroviral dideoxynucleosides: evidence for release of dideoxynucleoside-monophosphates by phospholipid biosynthetic enzymes in rat liver subcellular fractions  
*G.M.T. Van Wijk, K.Y. Hostetler, M. Schlame and H. Van den Bosch (The Netherlands, U.S.A.)* 99
- Examination of the peptide sequence requirements for lipid-binding. Alternative pathways for promoting the interaction of amphipathic  $\alpha$ -helical peptides with phosphatidylcholine  
*L.R. McLean, K.A. Hagaman, T.J. Owen, M.H. Payne, W.S. Davidson and J.L. Krstenansky (U.S.A.)* 106
- Identification of intermediates after inhibition of cholesterol synthesis by aminotriazole treatment in vivo  
*F. Hashimoto and H. Hayashi (Japan)* 115
- Differential patterns of lipid-protein association in fast and slow cholesterol nucleating human gallbladder bile: implications for cholesterol nucleation from biliary lipid carriers

- S.G. Corradini, D. Alvaro, L. Giacomelli, M. Cedola and M. Angelico (Italy) 125

### Rapid Reports

- $\beta$ -Carotene inhibits the oxidative modification of low-density lipoprotein  
I. Jialal, E.P. Norkus, L. Cristol and S.M. Grundy (U.S.A.) 134
- Effect of thyroxine on the activity of mitochondrial cardiolipin synthase in rat liver  
K.Y. Hostetler (U.S.A.) 139

### Regular Papers

- Sphingolipids of a cestode *Metroliasthes coturnix*  
K. Nishimura, A. Suzuki and H. Kino (Japan) 141
- Functional reconstitution of sphingomyelin synthase in Chinese hamster ovary cell membranes  
K. Hanada, M. Horii and Y. Akamatsu (Japan) 151
- In vitro fusion of lung lamellar bodies and plasma membrane is augmented by lung synexin  
A. Chander and R.-D. Wu (U.S.A.) 157
- Fatty acid specificity of bile salt-dependent lipase: enzyme recognition and super-substrate effects  
D.R. Gjellesvik (Norway) 167
- Cholesterol efflux from macrophages mediated by high-density lipoprotein subfractions, which differ principally in apolipoprotein A-I and apolipoprotein A-II ratios  
E. Von Hodenberg, S. Heinen, K.E. Howell, C. Luley, W. Kübler and H.M. Bond (Germany, U.S.A., Italy) 173
- Characterization of pulmonary surfactant protein D: its copurification with lipids  
Y. Kuroki, M. Shiratori, Y. Ogasawara, A. Tsuzuki and T. Akino (Japan) 185
- Comparison of effects of platelet-activating factor and tumour necrosis factor- $\alpha$  on lipid metabolism in adrenalectomized rats *in vivo*  
R.D. Evans and D.H. Williamson (U.K.) 191
- Relationships between fatty acid synthesis and lipid secretion in the isolated perfused rat liver: Effects of hyperthyroidism, glucose and oleate  
L.W. Castellani, H.C. Wilcox and M. Heimberg (U.S.A.) 197
- Development of a human lung surfactant, derived from extracted amniotic fluid  
G.C.M. Gorree, J. Egberts, G.C.H. Bakker, A. Beintema and M.A. Top (The Netherlands) 209
- The fate of arachidonic acid and linoleic acid in isolated working rat hearts containing normal or elevated levels of coenzyme A  
M. Saddik and G.D. Lopaschuk (Canada) 217

- Plasma lecithin-cholesterol acyltransferase activity and cholesterol and phospholipid levels in premature newborn infants  
S.K. Jain and J.J. Diaz (U.S.A.) 225
- Incorporation into liver microsomal lipids of linoleic and stearic acids and of their respective products of  $\Delta 6$  and  $\Delta 9$  desaturation,  $\gamma$ -linolenic and oleic acids: effect of age and of blackcurrant seed oil  
L. Ulmann, J.-P. Poisson, J.P. Blond and J. Bézard (France) 230

### Rapid Reports

- Interaction of apolipoprotein B-containing lipoprotein secreted by Hep G2 cells with receptors for low-density lipoprotein  
I.V. Fuki, G.B. Menschikov, M. Menschikowski, I.Y. Adamova and V.S. Repin (U.S.S.R., Germany) 237
- The very-high-density lipoprotein fraction of rabbit plasma is rich in tissue-derived cholesterol  
M.N. Nanjee and N.E. Miller (U.S.A.) 241

### Regular Papers

- The effect of apo E secretion on lipoprotein uptake in transfected cells  
H. Shimano, C. Fukazawa, Y. Shibasaki, N. Mori, T. Gotoda, K. Harada, M. Shimada, N. Yamada, Y. Yazaki and F. Takaku (Japan) 245
- The apolipoprotein A-I binding protein of placenta and the SP-40,40 protein of human blood are different proteins which both bind to apolipoprotein A-I  
C. Ehnholm, S.E. Bozas, H. Tenkanen, L. Kirszbaum, J. Metso, B. Murphy and I.D. Walker (Finland, Australia) 255
- Diurnal variations of lipogenic enzyme mRNA quantities in rat liver  
H. Fukuda and N. Iritani (Japan) 261
- Physico-chemical characterization of Intralipid<sup>TM</sup> emulsions  
M. Rotenberg, M. Rubin, A. Bor, D. Meyuhas, Y. Talmon and D. Lichtenberg (Israel) 265
- The oxidative modification of low density lipoprotein by nonenzymatically glycated peptide-Fe complex  
T. Sakurai, S. Kimura, M. Nakano and H. Kimura (Japan) 273
- Effect of simvastatin on the synthesis and secretion of lipoproteins in relation to the metabolism of cholesterol in cultured hepatocytes  
A. Ribeiro, M. Mangeney, C. Lorient, G. Thomas, D. Pepin, B. Janvier, J. Chambaz and G. Bereziat (France) 279

	361
Metabolism of polyunsaturated ( $n - 3$ ) fatty acids by monkey seminal vesicles: isolation and biosynthesis of omega-3 epoxides <i>E.H. Oliw and H.W. Sprecher (Sweden, U.S.A.)</i>	287
Interactive effects of dietary ( $n - 3$ ) polyunsaturated fatty acids and chronic ethanol intoxication on synaptic membrane lipid composition and fluidity in rats <i>M. Zérouta, F. Beaugé, E. Niel, G. Durand and J.M. Bourre (France)</i>	295
A NeuGc-containing trisialoganglioside of bovine brain <i>T. Nakao, K. Kon, S. Ando and Y. Hirabayashi (Japan)</i>	305
Phosphorylation of lysophosphatidylinositol by carrot membranes <i>J.J. Wheeler, W. Gross, H. Assefa and W.F. Boss (U.S.A.)</i>	310
Formation of ketols from linolenic acid 13-hydroperoxide via allene oxide. Evidence for two distinct mechanisms of allene oxide hydrolysis <i>A.N. Grechkin, R.A. Kuramshin, E.Y. Safonova, S.K. Latypov and A.V. Ilyasov (U.S.S.R.)</i>	317
Apo B metabolism in the cynomolgus monkey: evidence for post-transcriptional regulation <i>M.E. Pape, C.K. Castle, R.W. Murray, G.M. Funk, C.E. Hunt, K.R. Marotti and G.W. Melchior (U.S.A.)</i>	326
Substrate specificity of CTP : phosphocholine cytidyltransferase <i>H. Jamil and D.E. Vance (Canada)</i>	335
Changes in fatty acid composition during cell differentiation in the small intestine of suckling piglets <i>J.-M. Alessandri, P. Guesnet, T.S. Arfi and G. Durand (France)</i>	340
Elongation and desaturation of arachidonic and eicosapentaenoic acids in rat liver. Effect of clofibrate feeding <i>V. Mimouni, E.N. Christiansen, J.P. Blond, L. Ulmann, J.-P. Poisson and J. Bezard (France, Norway)</i>	349
The regulation of hepatic lipase and cholesteryl ester transfer protein activity in the cholesterol fed rabbit <i>R.J. Warren, D.L. Ebert, P.J. Barter and A. Mitchell (Australia)</i>	354
<i>Cumulative Contents, Vol. 1086</i>	359
<i>Author Index</i>	363
<i>Errata</i>	367



